

Heavily corroded air handling refurbished with Belzona 5831

ID: 9704

Industry: Heating, Ventilation & Air Conditioning
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 5831 (ST-Barrier)

Customer Location: Ontario
Application Date: August 2024

Problem

Two air handling units were heavily corroded and leaking in several areas. The whole basin needed to be coated and properly sealed.



One of the basins before cleaning.



Basin during surface preparation.



During application of Belzona 5831



Both units after coating application.

Application Situation

The customer left these units untreated and unprotected for many years, resulting in significant deterioration. The rust needed to be removed, and coating was required to protect and extend the life of these units.

Application Method

All the rusty areas were scrapped and removed with a putty knife followed by power tool cleaning. Then two coats of Belzona 5831 were applied. The system was allowed to cure for 2 days before being put back in service.

Belzona Facts

The surface-tolerant properties of Belzona 5831 were essential for this application. There was significant moisture and condensation on the surface, making it impossible to fully dry, and the substrate was so deteriorated that achieving ideal surface preparation was challenging.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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